CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.03/JTG/CSR-1/730d/CC Solid Block/2014-15 : 16.01.2015

TEST REPORT ON SOLID CONCRETE BLOCKS

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
* Name of the Work	: Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Attur Ward No.03, BBMP, Bangalore.
Reference	: BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
Sample Received on	: 09.01.2015
Date of Testing	: 16.01.2015
Size of Blocks	: 400mm x 200mm x 200mm - (Sample 1)
Cross Sectional Area	: 80000 mm^2
Technical Reference	: IS: 2185 (Part 1) - 2005
No. of Blocks Tested	: 08

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	25.30	262.2	3.28	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	26.31	263.3	3.29	
3	Block 3	25.49	261.2	3.27	
4	Block 4	26.05	262.4	3.28	
5	Block 5	26.53	260.5	3.26	
6	Block 6	25.98	263.4	3.29	
7	Block 7	24.13	265.3	3.32	
8	Block 8	25.62	260.8	3.26	

*Information is furnished by the Customer/Representative.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Civil Tech Consultants & Engineers Bangalore

VISHWANATH .C
Quality Manager

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
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#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com

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Job No.: CTCE/BBMP/W.No.03/JTG/CSR-1/730d/CC Solid Block/2014-15 : 16.01.2015

TEST REPORT ON SOLID CONCRETE BLOCKS

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
* Name of the Work	: Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Attur Ward No.03, BBMP, Bangalore.
* Reference	: BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
Sample Received on	: 09.01.2015
Date of Testing	: 16.01.2015
Size of Blocks	: 400mm x 100mm x 200mm - (Sample 1)
Cross Sectional Area	: 40000 mm^2
Technical Reference	: IS: 2185 (Part 1) - 2005
No. of Blocks Tested	: 08

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	25.19	128.5	3.21	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	24.55	129.3	3.23	
3	Block 3	24.52	130.3	3.26	
4	Block 4	25.16	131.4	3.29	
5	Block 5	26.53	132.5	3.31	
6	Block 6	24.60	130.5	3.26	
7	Block 7	25.92	130.4	3.26	
8	Block 8	26.96	128.6	3.22	

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Civil-Tech Consultants & Engineers Bangalore

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Quality Manager

(A.E)

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
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Job No.: CTCE/BBMP/W.No.03/JTG/Pre slab/2014-15

19.01.2015

PRE CAST SLAB(CORE) TEST REPORT

Name of Customer	:	**Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
Name of Agency	:	**Mr. Jayanth T Gowda,** #52, 2nd Floor, 3rd Main, Basaveshwaranagara, Bangalore.
Name of work	:	Improvements of drains in Santhosh Nagara 1st and 2nd cross roads in Attur Ward No.03, BBMP, Bangalore.
Referece	:	BBMP/AEE/YNSD/35/2014-15 Dated: 09.01.2015
No.of Sample Tested	:	03
Date of Testing	:	19.01.2015
Techinical Reference	:	IS:516-1959 (Reaffirmed 2008), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.386	2520.36	1.56	0.960	25.05	12.76	13.78	13.23	16.53
2	50.00	82.00	0.415	2577.53	1.64	0.970	26.05	13.27	14.33	13.90	17.37
3	50.00	80.00	0.400	2546.48	1.60	0.965	25.65	13.06	14.11	13.61	17.02

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VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ie@civiltechconsultants.com / info@civiltechconsultants.com